91-03540/

Ontario

Ministry of
Northern Development
and Mines

Mines and
Minerals
Division

GEOLOGICAL DATA INVENTORY FOLIO

GDIF 579

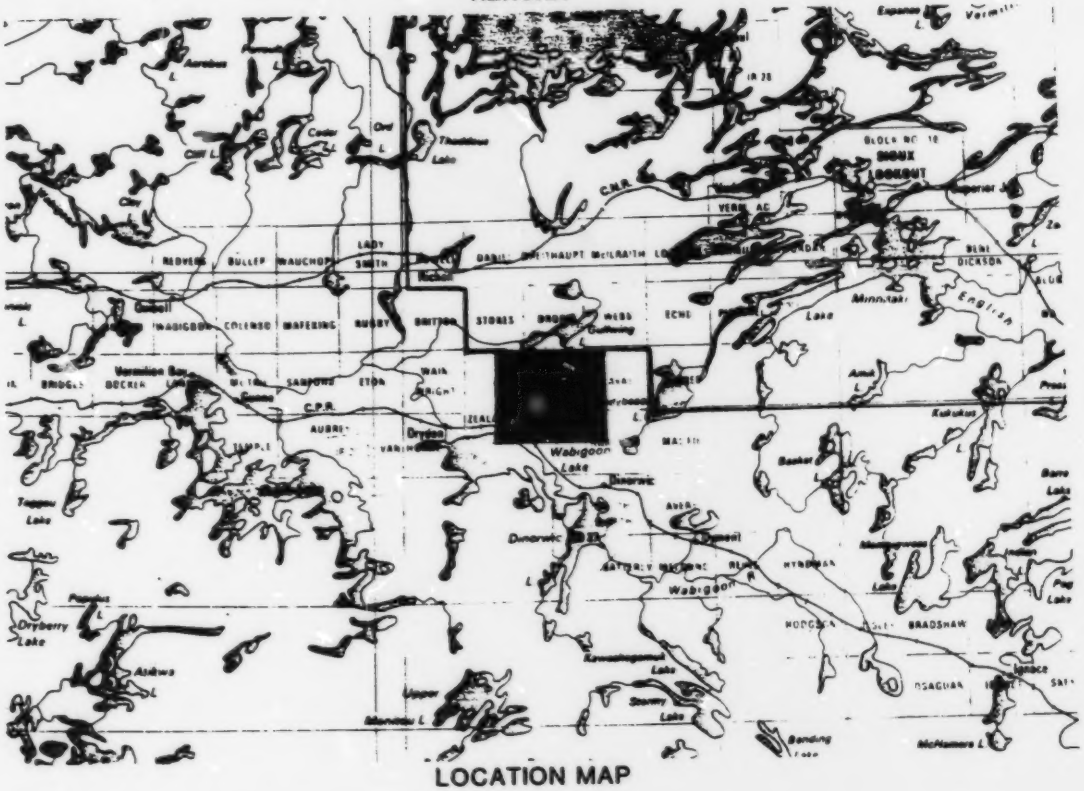
BROWNRIDGE-ZEALAND TOWNSHIPS

KENORA MINING DIVISION

N.T.S. No. 52F/15 SE

Compiled by the staff of
the Resident Geologist's Office

KENORA



LOCATION MAP

CANADA ONTARIO
Mineral Development
Exploitation Minérale

This project is part of the five year Canada–Ontario 1985 Mineral Development Agreement (COMDA), a subsidiary agreement to the Economic and Regional Development Agreement (ERDA) signed by the governments of Canada and Ontario.

Mining Claim Map Number M1954, M3370, M2061, M1986

This project was funded under the Canada-Ontario Mineral Development Agreement (COMDA), 1985-1990.

STATEMENT: This inventory is unedited. Discrepancies may occur for which the Ontario Ministry of Northern Development and Mines does not assume liability. Information from this source may be quoted if credit is given. Reference to this inventory should be made as follows:

Ontario Geological Survey 1991. Brownridge-Zealand Townships Area, Geological Data Inventory Folio 579; compiled by the staff of the Resident Geologist's office, Kenora.

Original Compilation by: Mark Perrault October 1989

Date	Page(s) Revised	Revised by

Date	Page(s) Revised	Revised by

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B. Exploration Data Map (s) ..... Map B-1

ABBREVIATIONS LIST

A.F.R.O.	Assessment Files Research Office (Toronto)
Ann. Rept. (A.R.)	Annual Report
A.R.I.P	Aggregate Resources Inventory Paper
Bull	Bulletin
C.I.M.M.	Canadian Institute of Mining and Metallurgy
C.J.E.S.	Canadian Journal of Earth Sciences
C.M.J.	Canadian Mining Journal
Econ. Geol.	Economic Geology
E.M.R.	Department of Energy, Mines and Resources
E.P.B.	Earth Physics Branch
G.A.C.	Geological Association of Canada
GC	Geological Circular
GDIF	Geological Data Inventory Folio
Geol.	Geology
Geol. Soc. Amer. Bull.	Geological Society of American Bulletin
GR	Geoscience (Geological) Report
GSC	Geological Survey of Canada
I.L.S.G.	Institute on Lake Superior Geology
IMR	Industrial Mineral Report
I.O.C.	Report of the Iron Ore Committee (1923)
Jour. (or J)	Journal
MDC	Mineral Deposit Circular
M.D.I. (R)	Mineral Deposit Inventory (Record)
Mem	Memoir
MNDM	Ministry of Northern Development and Mines
MNR	Ministry of Natural Resources
MP	Miscellaneous Paper
MRC	Mineral Resources Circular
N.M.I.	National Mineral Inventory
NOEGTS	Northern Ontario Engineering Geology Terrain Study
NTS	National Topographic System
O.B.M.	Ontario Bureau of Mines
O.D.L.F.	Ontario Department of Lands and Forests
ODM	Ontario Department of Mines/Ontario Division of Mines
ODMNA	Ontario Department of Mines and Northern Affairs
OFR	Open File Report
OGS	Ontario Geological Survey
P.R.	Preliminary Report
Prelim. (or P)	Preliminary
R.C.	Royal Commission on Mineral Resources of Ontario (1890)
S.M.D.R.	Source Mineral Deposit Record
SOEGTS	Southern Ontario Engineering Geology Terrain Study
Sum. Rept.	Summary Report

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DATA SOURCES CHECK LIST

NOTE: The following sources have been searched to compile the data for this area. If no reference data was found the appropriate box is marked 'no': if reference data was found, the box is marked 'yes'.

All reference data found are included in the following pages. If the box is blank, the data source has not yet been searched. If the box is marked N.A., the source item is Not Applicable to this area and therefore not searched.

	SOURCES OF DATA	Data	Initial
1	Resident Geologist's Office Files	YES	MP
2	Assessment Files Research Office, Toronto		
3	OGS/ODM General Index	YES	MP
4	Catalogue of Airborne Geophysical Surveys (ODM)	NO	MP
5	ODM Mineral Resources Circulars and OGS Mineral Deposits Circulars	YES	MP
6	ODM Industrial Mineral Reports	YES	MP
7	Bibliography of Post Precambrian Theses - Karrow (ODM MP 1)		
8	Bibliography of Precambrian Theses - Ginn (ODM MP 2)	NO	MP
9	Newspaper Clippings File	NA	MP
10	GSC Index to Publications	YES	MP
11	OGS Index to Published Maps and Reports - MP 77 and Supplements to MP 77	YES	MP
12	OGS Index Maps	YES	MP
13	Source Mineral Deposit Records (OGS)	YES	MP
14	Author - Subject Articles File		
15	ODM/OGS Miscellaneous Papers	YES	MP
16	ODM Geological Circulars		
17	OGS Study Series	NO	MP
18	ODM Preliminary Reports	NO	MP
19	ODM Bulletins	NO	MP
20	ODM/OGS Open File Reports	YES	MP
21	OGS Northern/Southern Ontario Engineering Geology Terrain Studies	YES	MP
22	OGS Aggregate Resources Inventory Papers	NO	MP
23	OGS Mineral Potential Maps	YES	MP
24	Drill Core Library Catalogue	YES	MP
*			

MINERAL COMMODITIES REFERENCE LIST

anh ..... Anhydrite	gl ..... Gravel	ra ..... Radioactive minerals	**ADDITIONS**
▲ ank ..... Ankerite	gyp ..... Gypsum	RE ..... Rare Earths	▲ Sn.....Tin
▲ ap ..... Apatite	hem ..... Hematite	sd ..... Sand	▲ Rb.....Rubidium
arg ..... Argentite	▲ Fe ..... Iron	sgl ..... Sand and gravel	▲ ta.....Tantalite
As ..... Arsenic	▲ IF ..... Iron Formation	ss ..... Sandstone	▲ spst.....Soapstone
asp ..... Arsenopyrite	jas ..... Jasper	scap ..... Scapolite	▲ Be.....Berylium
asb ..... Asbestos	ky ..... Kyanite	shee ..... Scheelite	▲ cl.....Columbite
ba ..... Barite	▲ Pb ..... Lead	serp ..... Serpentine	▲ peat.....Peat
▲ be ..... Beryl	lim ..... Limonite	sh ..... Shale	▲ BIF.Banded Iron Formation
Bi ..... Bismuth	▲ Li ..... Lithium	sid ..... Siderite	▲ Ta.....Tantalum
bn ..... Bornite	mgst ..... Magnesite	si ..... Silica	▲ ur.Yellow uranium staining
Cd ..... Cadmium	▲ mag ..... Magnetite	▲ Ag ..... Silver	
calc ..... Calcite	mc ..... Malachite	sl ..... Slate	
carb ..... Carbonate	Mn ..... Manganese	sm ..... Smaltite	
cc ..... Chalcocite	mb ..... Marble	sod ..... Sodalite	
▲ cp ..... Chalcopyrite	mar ..... Marcasite	spec ..... Specularite	
ch ..... Chert	ma ..... Marl	▲ sp ..... Sphalerite	
clay ..... Clay	mi ..... Mica	▲ spd ..... Spodumene	
Co ..... Cobalt	mo ..... Molybdenite	▲ s ..... Sulphides	
cob ..... Cobaltite	▲ Mo ..... Molybdenum	▲ talc ..... Talc	
▲ Cu ..... Copper	mon ..... Monazite	Te ..... Tellurium	
cor ..... Corundum	ne .... Nephelite (nepheline)	th ..... Thorite	
dol ..... Dolomite	▲ Ni ..... Nickel	Th ..... Thorium	
▲ ep ..... Epidote	▲ Nb ..... Niobium	ti ..... Titanite	
fel ..... Feldspar	Pd ..... Palladium	Ti ..... Titanium	
▲ fl ..... Fluorite (flurospar)	pent ..... Pentlandite	▲ tour ..... Tourmaline	
fu ..... Fuchsite	Pt ..... Platinum	▲ W ..... Tungsten	
▲ gn ..... Galena	▲ py ..... Pyrite	uran ..... Uraninite	
▲ gt ..... Garnet	pyl ..... Pyrochlore	U ..... Uranium	
goe ..... Goethite	▲ po ..... Pyrrhotite	verm ..... Vermiculite	
▲ Au ..... Gold	q ..... Quartz	▲ Zn ..... Zinc	
▲ gf ..... Graphite	qcv .. Quartz carbonate vein	zr ..... Zircon	

▲ Solid triangles indicate metal and mineral occurrences shown on the accompanying maps

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MINERAL OCCURRENCES

Ref. Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks
A	Asarco	Ni,Zn,Cu, gf,po,py, gt,cp	SMDR # 00575	Assessment Files, Kenora 52F/15 SE; B-2
B	Brownridge-Zealand Townships showings	soapstone, talc		ODM 1941, vol. 50, pt. 2, p.55
C	Dryden - Thunder Lake Occurrence	Fe,mag	MDI #K0150 MRC 11, p.195	
D	East Zone - Fairservice	Ta,be,W,spd		OGS Map P. 2623
E	Fairservice - Main Zone	Li,Ta,spd, ap,tour,ta Rb,Sn	MDI # K0487 NMI File 52F/15 Li2	Assessment Files, Kenora 52F/15 SE; M-7
F	Hartman	Mo	MDI #K0171 MNI File 52F/15 Mo2 MRC 7, p.45	O.D.M. Map P.243
G	Lun-Echo (Brewis-White Option)	Cu,Ni,W,po, py,cp	SMDR #00515, MDI # K0202 NMI File 52F/15 W1	Assessment Files, Kenora 52F/15 SE; G-2
H	Lun-Echo (Mavis Lake Option)	Li,Nb,Ta, spd,cl,ta, tour	MDI #K0194, NMI File 52F/15 Li1	GSC 1965, Econ. Geol. Rept. 21, p.63-64 Assessment Files, Kenora 52F/15 SE; G-1
I	Milestone (Northeast Zone - Fairservice)	Li,spd,ap, tour,gt	MDI #K0486 IMR 21, p.48	OGS 1982, OFR 5388, p.123 Assessment Files, Kenora 52F/15 SE; H-1

MINERAL OCCURRENCES

Ref. Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks
J	Peatland 52F-60	peat	MDI #K0519	OGS 1986, OFR 5544, vol. B, p.91-106
K	Petrunka Tungsten Showing	W,tour, fl		OGS Map P.2623
L	Pidgeon Prospect	Zn,po,sp	MDI #K0225, SMDR #00512, NMI File 52F/15 Zn1, MRC 2, p.22, MRC 12, p.157	
M	Sanmine	Au,Cu,py, cp,po		Assessment Files, Kenora 52F/15 SE; R-10
N	South Zone - Fairservice	spd,tour,gt, Ta,be,ap		OGS Map P. 2623
O	Taylor Beryl Occurrence	Be,tour	MDI #K0250 IMR 21, p.38	ODM 1941, vol. 50, pt. 2, p.55 OGS Map P.2623
P	Unnamed Occurrence	be,tour,ur		OGS Map P. 2623
Q	Unnamed Occurrence	ur		OGS Map P. 2623
R	Unnamed Occurrence	ur		OGS Map P. 2623
S	Unnamed Occurrence	ur		OGS Map P. 2623
T	Unnamed Occurrence	Li,Ta,Nb, tour,ap		OGS Map P. 2623
U	Unnamed Occurrence	spd,ap, Ta,Nb		OGS Map P. 2623
V	Unnamed Occurrence	gt,s,Mo		OGS Map P. 2623

MINERAL OCCURRENCES

Ref Letter on Map	(see Exploration Data Map) Name(s)	Mineralization	REFERENCES IN SMDR-Source Mineral Deposit Record MDC-Mineral Deposits Circular, OGS IMR-Industrial Mineral Report, OGS MDI-Mineral Deposit Inventory NMI-National Mineral Inventory	Additional References and/or Remarks
W	Unnamed Occurrence	Sn,Ta,Nb,gt, tour		OGS Map P. 3109
X	Unnamed Occurrence	Cu,Pb,Zn,Ag, py,po,cp,gn, gf,sp		OGS Map P. 3108
Y	Unnamed Occurrence	po		OGS Map P. 3108
Z	Unnamed Occurrence	py		OGS Map P. 3108
AA	Unnamed Occurrence	po,py,cp,gt		ODM Map P. 1204
BB	Unnamed Occurrence	IF		ODM vol. 11, pt. 1, p. 136,143 ODM vol. 20, pt. 1, p. 194-196
CC	Wabigoon (Compton)	Fe,mag,gt, IF,py	MDI #K0388, MRC 11, p.196, NMI File 52F/15 Fe1	Assessment Files, Kenora 52F/15 SE; A-1, A-2 52F/15 SE; E-1, E-2
DD	Zealand Township, Con. III	Talc	MDI #K0389, IMR 40, p.43	ODM 1941, vol. 50, pt. 2, p.55
EE	Zealand Township, Lot 17, Con. VII and VIII	spst,talc		

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS NOTES CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
1	Algoma Steel Company 52F/15 SE; A-1				67-68			67										
2	Algoma Steel Company 52F/15 SE; A-2	66						66-67				66						
3	Asarco Exploration 52F/15 SE; B-1	70		70?				70-71				70	70					
4	Asarco Exploration 52F/15 SE; B-2				70	70												
5	Campbell, Bill G. 52F/15 SE; S-1			82														
6	Campbell, Bill G. 52F/15 SE; S-2, S-3			83														
7	Canadian Nickel Company 52F/15 SE; C-1											71						
8	Canadian Nickel Company 52F/15 SE; C-2				71													
9	Canadian Nickel Company 52F/15 SE; C-3				71													

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done. e.g. 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref No on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
10	Canadian Nickel Company 52F/15 SE; C-4				71													
11	Canadian Pacific Railway Co. 52F/15 SE; D-1		56															
12	Compton - Wabigoon 52F/15 SE; E-1											57						
13	Compton - Wabigon 52F/15 SE; E-2				57													
14	Euro-Dollar Development Ltd. 52F/10 NE; K-2											78			78			
15	Euro-Dollar Development Ltd. 52F/10 NE; K-4		78															
16	Euro-Dollar Development Ltd. 52F/10 NE; K-5, K-9											79	79					

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
17	Euro-Dollar Development Ltd. 52F/10 NE; K-8				79	79												
18	Euro-Dollar Development Ltd. 52F/10 NE; K-15				79	79						81	81					
19	Fairservice, Robert J. 52F/15 SE; U-1												83					
20	Glatz, Alexander 52F/15 SE; W-1											85	85					
20	Glatz, Alexander 52F/15 SE; W-2																	N-1
21	Hollinger Mines Ltd. 52F/15 SE; N-1, N-4	77										77	77					
22	Hollinger Mines Ltd. 52F/15 SE; N-2												77					
23	Hollinger Mines Ltd. 52F/15 SE; N-3				78	78												

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Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRICS	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
24	Hudson Bay Oil & Gas Co. Ltd. 52F/10 NW; II-1									77								
25	Jalna Resources Ltd. 52F/15 SE; X-1 52F/07 SW; Z-2								85	85								
26	Jalna Resources Ltd. 52F/07 SW; Z-5	83	83			83												
27	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1				56	56												
28	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2			56	56	56												
29	Milestone Mines Ltd. 52F/15 SE; H-1				56	56												
30	Noranda Exploration Co. Ltd. 52F/15 SE; Q-1					78												

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Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
31	Penarroya Canada Ltd. 52F/15 SE; I-1								65	65								N-2
32	Petrunka, D. (Phelps-Dodge Option) 52F/15 SE; J-1												73					
33	Pidgeon, G.L. 52F/15 SE; K-1			61	61													
34	Sanmine Exploration Inc. 52F/15 SE; R-1			81														
35	Sanmine Exploration Inc. 52F/15 SE; R-2				82													N-5
36	Sanmine Exploration Inc. 52F/15 SE; R-3			82														
37	Sanmine Exploration Inc. 52F/15 SE; R-4			82														

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TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
38	Sanmine Exploration Inc. 52F/15 SE; R-5			83														
39	Sanmine Exploration Inc. 52F/15 SE; R-6																	N-4
40	Sanmine Exploration Inc. 52F/15 SE; R-7			83														N-6
41	Sanmine Exploration Inc. 52F/15 SE; R-8			83														
42	Sanmine Expsloration Inc. 52F/15 SE; R-9				84													
43	Sanmine Exploration Inc. 52F/15 SE; R-10			83		83												N-4

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Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
44	Sanmine Exploration Inc. 52F/15 SE; R-11																	N-3
45	Sanmine Exploration Inc. 52F/15 SE; R-12					84												
46	Selco Mining Corp. Ltd. 52F/15 SE; M-1											77	77					
47	Selco Mining Corp. Ltd. 52F/15 SE; M-2											77	77					
48	Selco Mining Corp. Ltd. 52F/15 SE; M-3											77	77					
49	Selco Mining Corp. Ltd. 52F/15 SE; M-4											77	77					
50	Selco Mining Corp. Ltd. 52F/15 SE; M-5				78	78												
51	Selco Mining Corp. Ltd. 52F/15 SE; M-6				79													

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref. No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
52	Selco Mining Corp. Ltd. 52F/15 SE; M-7				79	79												
53	Selco Mining Corp. Ltd. 52F/15 SE; M-8				80													
54	Selco Mining Corp. Ltd. 52F/15 SE; M-9		79-80															
55	Selco Mining Corp. Ltd. 52F/15 SE; M-10		79-80			79												
56	Selco Mining Corp. Ltd. 52F/15 SE; M-11				81													
57	Selco Mining Corp. Ltd. 52F/15 SE; M-12				81													
58	Tamah Uranium Mines Ltd. 52F/15 SE; L-1							70										
59	Tantalum Mining Corp. of Canada 52F/15 SE; T-1											82						

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

TYPE OF WORK (see Files Index Map) EXPLORATION FILES		Numbers below represent the year in which the work was done; e.g., 68 for 1968																OTHER DATA IN THIS FILE, OR FOOTNOTES
Ref No. on Map	COMPANY/AUTHOR (file number)	GEOLOGICAL	GEOCHEMICAL	TRENCHING, STRIPPING	DRILLING	ASSAY DATA	UNDERGROUND WORK	PROSPECTUS, NOTES, CORRESPONDENCE	AIRBORNE MAGNETIC	AIRBORNE ELECTROMAGNETIC	AIRBORNE RADIOMETRIC	GROUND MAGNETIC	GROUND ELECTROMAGNETIC	GROUND RADIOMETRIC	INDUCED POLARIZATION	SELF POTENTIAL	RESISTIVITY	
60	Tantalum Mining Corp. of Canada 52F/15 SE; T-2		82															
61	Van Koughnet, C.D. 52F/15 SE; V-1			83														

SEE PAGE 14-1...NOTES, FOR ITEMS LISTED BY NUMBER IN THIS COLUMN

DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
1	Algoma Steel Corporation 52F/15 SE; A-1	W-1-67	1967	0	-45	6'	168'	IF,mag,gt	
2	Algoma Steel Corporation 52F/15 SE; A-1	W.G.N. 2-68	1968	0	-45	9'	103'	IF,mag,gt	
2	Algoma Steel Corporation 52F/15 SE; A-1	W.G.N. 3-68	1968	0	-45	4.5'	203'	mag,BIF,gt	
3	Algoma Steel Corporation 52F/15 SE; A-1	W.G.N. 4-68	1968	north	-45	2'	333'	gt,mag	
4	Algoma Steel Corporation 52F/15 SE; A-1	W.G.N. 5-68	1968	north	-45	2.5'	190'	mag,gt,BIF	
5	Asarco Exploration Co. 52F/15 SE; B-2	65	1970	N	-45	41'	225'	gf,py,po, gt,cp	Cu,Zn,Pb, Ni,Au,Ag
6	Asarco Exploration Co. 52F/15 SE; B-2	65A	1970	N	-45	39'	249'	py,po,gf, mag,cp,gt	Cu,Zn,Pb, Ni,Au,Ag
7	Canadian Nickel Co. Ltd. 52F/15 SE; C-2	48523-0	1971	90	-50	100'	732'	py,po,gf, cp,gt	
8	Canadian Nickel Co. Ltd. 52F/15 SE; C-3	48521-0	1971	180	-60	150'	420'	py,gt,po,cp	
9	Canadian Nickel Co. Ltd. 52F/15 SE; C-4	48526	1971	360	-50	20'	314'	gt,py,po, mag,cp,sp	
10	Canadian Nickel Co. Ltd. 52F/15 SE; C-4	48553	1971	360	-45	15'	172'	gt,po,cp,py	

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
11	Compton-Wabigoon 52F/15 SE; E-2	DDH#1	1957	N40W	-43	3.5'	765'	IF,gt,py	
12	Compton-Wabigoon 52F/15; SE; E-2	DDH#2	1957	N40W	-46	5.0'	739'	IF,mag,py, gt	
13	Euro-Dollar Development Ltd. 52F/10 NE; K-8, K-15	BHC	1979	184	-62	35'	675'	py,mag,po, sp,gf,cp	U_3O_8,Au, Ag,Cu,Zn
14	Hollinger Mines Ltd. 52F/15 SE; N-3	LB1-1-78	1978	335	-52	90'	352'	po,py,cp, sp	Cu,Zn
15	Hollinger Mines Ltd. 52F/15 SE; N-3	LB1-2-78	1978	360	-52	79'	427'	po,py,cp, gf,sp	Cu,Zn
16	Hollinger Mines Ltd. 52F/15 SE; N-3	LB1-3-78	1978	360	-50	152'	384'	po,py,cp,gf	
17	Hollinger Mines Ltd. 52F/15 SE; N-3	LB1-4-78	1978	360	-49	22'	475'	po,py,cp,gn, sp,gf,mag	Cu,Zn
18	Hollinger Mines Ltd. 52F/15 SE; N-3	LB1-5-78	1978	360	-55	80'	375'	po,py,cp, gn,mag,gf	
19	Lun-Echo Gold Mine Ltd. 52F/15 SE; G-1	B-1	1956	S07 30'W	-45	5'	432.4'	py,gf,spd	Li_2O
19	Lun-Echo Gold Mine Ltd. 52F/15 SE; G-1	B-1A	1956	S07 30'W	-75	4'	284'	spd	Li_2O
19	Lun-Echo Gold Mine Ltd. 52F/15 SE; G-1	B-5	1956	S07 30'W	-45	8.6'	199.5'		

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
19	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-5A	1956	S07 30'W	-75	5'	225'	spd	Lithia
20	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-2	1956	S07 30'W	-45	33'	302'	tour	
21	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-3	1956	S07 30'W	-45	5'	198'	tour	
22	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-4	1956	S07 30'W	-75	8.5'	188.5'	tour, spd	Lithia
22	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-19	1956	S07 30'W	-45	0	93.1'	spd	Lithia
22	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-20	1956	S07 30'W	-45	8.0'	109'	tour, spd	Lithia
22	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-21	1956	S07 30'W	-45	5.0'	119.7'	spd	Li_2O
23	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-6	1956	S07 30'W	-70	5.0'	450.0'	tour, spd	Lithia
23	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-7	1956	S07 30'W	-75	6.0'	468.7'	py, cp, spd, tour	Lithia
24	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-8	1956	S07 30'W	-40	4.0'	250.0'	spd	Lithia
24	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-8A	1956	S07 30'W	-80	4.0'	252.5'		

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
25	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-9	1956	S07 30'W	-75	2.5'	466.0'	gt	
25	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-10	1956	S07 30'W	-40	5.0'	252.0'		
25	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-10A	1956	S07 30'W	-80	3.0'	237.0'		
26	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-11-0	1956	S07 30'W	-45	56.0'	56.0'		
26	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	B-11	1956	S07 30'W	-75	54.0'	403.0'	po,py,cp, tour	
27	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-1	1956	S07 30'W	-45	0'	130'	spd,py	Lithia
27	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-2	1956	S07 30'W	-45	2.0'	81.0'	spd	Lithia
27	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-2A	1956	S07 30'W	-75	1.9'	119.0'	spd	Lithia
27	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-6	1956	S07 30'W	vert	2.1'	26.8'	spd	Lithia
27	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-8	1956	S0 30'W	vert	1.3'	64.5'	spd	Lithia
27	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-3	1956	S07 30'W	-45	0	35.0'	spd	Lithia

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
27	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-4	1956	S07 30'W	-45	2.0'	50.0'	spd	Lithia
27	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-5	1956	S07 30'W	-45	1.8'	18.8'	spd	Lithia
28	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-7	1956	S07 30'W	-45	0.8'	118.6'	spd	Lithia
28	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-9	1956	S07 30'W	-45	0	70.5'	spd	Lithia
28	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-14	1956	S07 30'W	-45	0	95.5'	spd, tour	Lithia
29	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-11	1956	S07 30'W	-45	0	95.5'	spd	Lithia
29	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-11A	1956	S07 30'W	-75	1.2'	48.5'	spd	Lithia
29	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-12	1956	S07 30'W	-30	0	116.5'	spd	Lithia
29	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-13	1956	S07 30'W	-45	0	100.0'	spd	Lithia
30	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-15	1956	S07 30'W	-45	0	105.3'	spd	Lithia
30	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-16	1956	S07 30'W	-45	0	44.0'	spd	Lithia

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
30	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-17	1956	S07 30'W	-45	0	82.8'	spd	Lithia
30	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-18	1956	S07 30'W	-45	14.0'	51.2'	spd	Lithia
31	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-22	1956	S07 30'W	-45	0	25.0'	spd	Lithia
31	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-1	E-23	1956	S07 30'W	-45	0	68.3'		
32	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-1	1956	north	-45	0	62.1'		
32	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-2	1956	south	-45	0	57.7'	py	
32	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-6	1956	south	-45	2.0'	96.2'	S	Cu,Ni
32	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-7	1956	south	-45	2.5'	92.3'	po,py,cp	
33	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-3	1956	south	-45	5.0'	68.6'	po,py,cp	Cu,Ni,Au,Ag
33	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-3A	1956	south	-75	2.4'	103.0'	po,cp	Cu,Ni
33	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-4	1956	north	-45	0	93.5'	po,cp	Cu,Ni

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
33	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-5	1956	north	-45	1.8'	71.6'	po,cp	
34	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-8	1956	south	-45	0	88.3'	po,cp	
34	Lun-Echo Gold Mines Ltd. 52F/15 SE; G-2	N-9	1956	south	-45	0	70.0'		
35	Milestone Mines Ltd. 52F/15 SE; H-1	M-1	1956	N39E	-45	2.0'	110.0'	spd	Lithia
36	Pidgeon, G.L. 52F/15 SE; K-1	#2	1961	NA	NA	0	200'	IF	
37	Pidgeon, G.L. 52F/15 SE; K-1	#1	1961	NA	-35	2.6'	292'	mag,IF,py	
37	Pidgeon, G.L. 52F/15 SE; K-1	#3	1961	NA	-45	1.0'	108'	IF	
37	Pidgeon, G.L. 52F/15 SE; K-1	#4	1961	NA	-45	0	119'	mag	
38	Pidgeon, G.L. Mineral Deposits File	not plotted on map	1956						
39	Sanmine Exploration Inc. 52F/15 SE; R-2	3	1982	S12E	-45	5.0'	468'	shee,po,s	
40	Sanmine Exploration Inc. 52F/15 SE; R-2	4	1982	south	-45	2.0'	408'	po,s,(cpy,py pent,asp)?	Au,Ag,Cu,Ni

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
41	Sanmine Exploration Inc. 52F/15 SE; R-9	5	1984	north	-84	0	72m	py,po,tour, ep	
41	Sanmine Exploration Inc. 52F/15 SE; R-9	5a	1984	north	-69	0	72m	py,tour	
41	Sanmine Exploration Inc. 52F/15 SE; R-9	5b	1984	north	-79	0	105m	py,po,(cp, pent)?,tour	
42	Sanmine Exploration Inc. 52F/15 SE; R-9	6	1984	south	-45	6'	70m	py,s,cp,po, pent,ep,gt, tour	
43	Sanmine Exploration Inc. 52F/15 SE; R-9	7	1984	north	-87	0	63m	py,po,tour, ep,(pent)?	
43	Sanmine Exploration Inc. 52F/15 SE; R-9	7a	1984	north	-45	6.24'	66m	py,tour	
43	Sanmine Exploration Inc. 52F/15 SE; R-9	7b	1984	north	-83	0	78m	py,tour,gt	
43	Sanmine Exploration Inc. 52F/15 SE; R-9	7c	1984	north	-79	1.5'	72m	py,tour	
44	Sanmine Exploration Inc. 52F/15 SE; R-9	8	1984	south	-45	10.5'	99m	py,tour,ep, gt	
45	Sanmine Exploration Inc. 52F/15 SE; R-9	9	1984	south	-45	0	61.5m	py,po,pent?, tour,ap,ep	
46	Sanmine Exploration Inc. 52F/15 SE; R-9	10	1984	south	-45	8.6'	108m	py,po,cp, tour	

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
47	Sanmine Exploration Inc. 52F/15 SE; R-9	11	1984	south	-45	3m	111m	py,gt,tour, po,shee	
48	Sanmine Exploration Inc. 52F/15 SE; R-9	12	1984	south	-45	10.8'	102m	py,po,gt,ep, tour,shee, (cp,spd)?	
49	Sanmine Exploration Inc. 52F/15 SE; R-9	13	1984	S17°E	-45	6.9'	111m	py,tour,Ni, Cu,po, (pent,cp)?	
50	Sanmine Exploration Inc. 52F/15 SE; R-9	14	1984	south	-45	2.6'	60m	tour,shee, py,ep	
51	Sanmine Exploration Inc. 52F/15 SE; R-9	15	1984	N11W	-45	7.2'	78m	py,po,shee, (pent,cp)?	
52	Sanmine Exploration Inc. 52F/15 SE; R-9	16	1984	N46W	-45	9.4'	87m	py,po,calc, gt,tour	
53	Sanmine Exploration Inc. 52F/15 SE; R-3	17	1984	S30E	-45	5.58'	132m	py,shee,po tour,cp,gt, ep,calc	
54	Sanmine Exploration Inc. 52F/15 SE; R-3	1	locat.	only					
55	Sanmine Exploration Inc. 52F/15 SE; R-3	2	locat.	only					
56	Sanmine Exploration Inc. 52F/15 SE; R-10	Old Hole	1940				300'		Au,Ag,As, Cu,N:i
57	Sleco Mining Corp. Ltd. 52F/15 SE; M-5	25-4-1	1978	Grid N	-50	4.0'	238'	py,co,cp, calc,sp	Au,Ag,Cu,Zn

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
58	Selco Mining Corp. Ltd. 52F/15 SE; M-6	M-1	1979	033	-60	11.0'	157'	spd,tour,ap	
59	Selco Mining Corp. Ltd. 52F/15 SE; M-6	M-2	1979	353	-50	4.0'	195.0'	spd,tour	
60	Selco Mining Corp. Ltd. 52F/15 SE; M-7	M-3	1979	187	-50	32.0'	147'	spd,ta	Ta_2O_5, Nb_2O_5, SnO_2, Li_2O, P_2O_5, Fe
61	Selco Mining Corp. Ltd. 52F/15 SE; M-7	M-4	1979	187	-50	12.0'	197'	spd,ta,ap, tour	Ta_2O_5, Nb_2O_5, SnO_2, Li_2O
62	Selco Mining Corp. Ltd. 52F/15 SE; M-8	M-5	1980	180	-45	4.0'	123.0'	tour,be	
62	Selco Mining Corp. Ltd. 52F/15 SE; M-8	M-6	1980	185	-47	6.0'	129.0'	py,sp	
62	Selco Mining Corp. Ltd. 52F/15 SE; M-8	M-7	1980	180	-50	4.0'	103.0'		
62	Selco Mining Corp. Ltd. 52F/15 SE; M-8	M-8	1980	N(AZ)	-45	2.0'	102.0'	py,tour	
63	Selco Mining Corp. Ltd. 52F/15 SE; M-12	M-9	1981	348	-46	2.0'	125'	tour	
63	Selco Mining Corp. Ltd. 52F/15 SE; M-12	M-10	1981	344	-48	0	126'	Tour,ap,ta, po	
63	Selco Mining Corp. Ltd. 52F/15 SE; M-12	M-11	1981	166	-45	5.0'	160.0'	py,po,tour	

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DRILLHOLE SUMMARY

Drilling Location Number on Map	(see Exploration Data Map) Company Name (file number)	Company Drillhole Number	Date Drilled	Bearing Azimuth	Initial Dip of Hole	Thickness of Overburden	Total Length of Hole	Mineralization Noted in Log	Assay Data Included for
63	Selco Mining Corp. Ltd. 52F/15 SE; M2-12	M-12	1981	325	-45	4.0'	130.0'	tour,ap,ta	
63	Selco Mining Corp. Ltd. 52F/15 SE; M-12	M-13	1981	330	-45	1.0'	125.0'	po,py,cp	
63	Selco Mining Corp. Ltd. 52F/15 SE; M-12	M-14	1981	Grid W	-45	1.0'	120.0'	ta,tour	
64	Selco Mining Corp. Ltd. 52F/15 SE; M-12	M-15	1981	345	-45	2.0'	117.0'	po,py,tour	
64	Selco Mining Corp. Ltd. 52F/15 SE; M-12	M-16	1981	Grid W	-45	1.0'	121.0'	tour,ta	
65	Selco Mining Corp. Ltd. 52F/15 SE; M-12	M-17	1981	Grid W	-45	2.0	118.0'	mag	

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AIRBORNE GEOPHYSICAL SURVEY DATA

Number on File Index Map(s)	— by — for — year	Type of Survey	Flight Altitude	Flight Line Direction	Flight Line Spacing
24	by: Questor Surveys Ltd. for: Hudson Bay Oil & Gas Co. Ltd. 1977	Barringer/Questor Mark VI Input (R) System	400' (E.M. bird at 150')	N/S	660'
25	by: Geotech Ltd. for: Jalna Reosurces Ltd. 1985	Helicopter - born EM-Mag-VLF	200' (E.M. bird at 120', Mag-VLF bird at 160')	N45°W	1/8 mile
31	by: Canadian Aero Mineral Surveys Ltd. for: Penarroya Canada Ltd. 1965	Combined airborne EM and Mag	mean terrain clear-ance 150°	N25°W	1/8 mile

GEOCHEMICAL SURVEY DATA

(see Exploration Data Map)

Map Sample Site Reference Number	Type of Survey	Analysis For	By	Reference
1	Lake Bottom Sediment Sampling	Ag,As,Co,Cu,Ni,Pb,Zn,U_3O_8,W	Euro-Dollar Development Ltd.	52F/10 NE; K-4
2	Rock Chip Sampling	Multi-element ICP Geochemical Analysis	Jalna Resources	52F/07 SW; Z-5
3	Bedrock Chip Sampling	Lithium, Cesium	Selco Mining Corp Ltd.	Assessment Files: 52F/15 SE; M-09 52F/15 SE; M-10
4	Bedrock Chip Sampling	Lithium	Selco Mining Corp. Ltd.	Assessment File: 52F/15 SE; M-10
5	Lithogeochemical	Lithium	Tantalum Mining Corp. of Canada Limited	Assessment File: 52F/15 SE; T-2
see N-7	Lake Sediment & Water Data	24 elements	GSC	GSC Open File 1958

GEOCHRONOLOGY DATA - AGE DATING

Site No on Map	Method	Material	Reference	Result
			No data available to Nov/89	

AERIAL PHOTOS; MOSAICS; IMAGERY

The following items are available for inspection at the Resident Geologists Office:

(a) Aerial Photographs:

1. 1" to 1 mile, black & white; 1952

2. 1" to 1/4 mile, black & white; parts of 1965, 1968, and 1975; filed under Sandy Beach Area

(b) Photomosaics:

(c) Satellite Imagery:

TOPOGRAPHIC MAPS (selected)

scale	year	name and/or number	by
1:50 000*	1968	Dryden 52F/15 E Edition 1	Department of Energy, Mines and Resources, Ottawa
1:100 000*	1982	Wabigoon Lake 52F/NE Provincial Series, 3rd Edition	Ministry of Natural Resources, Ontario
1:126 720* (1"-2 miles)	1970	Wabigoon Lake 52F/NE Provincial Series, 1st Edition	Ministry of Natural Reosurces, Ontario
1:250 000*	1965	Dryden 52F	Army Survey Establishment R.C.E.
1:20 000*	1985	Ontario Base Maps 20 15 5100 55200 20 15 5200 55200 20 15 5100 55100 20 15 5200 55100 20 15 5300 55100 *Available in Kenora Resident Geologist's Office for viewing	Ministry of Natural Resources, Ontario

NEWSPAPER CLIPPINGS FILE (selected)

PAPER	DATE	PAGE	"ARTICLE HEADLINE" OR COMPANY AND/OR SUBJECT
			Any newspaper clippings will be found in the respective Mineral Deposits File

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Asarco, Barclay, Beartrack Creek, Beryl, Beryllium, Brewis-White, Brownridge Tp. Dryden, Elm Bay, Fairservice, Ghost Lake, Gullwing Creek, Hartman Tp., Kaiashkomin Lake, Laval Tp., Lithium, Lola Lake, Lun-Echo, Mavis Lake, Milestone, Molybdenite, Peat, Peatland, Petrunka, D., Phelps-Dodge, Pidgeon, G.L., Rafter Lake, Sanmine, Soapstone, Spodumene, Talc, Tantalum, Taylor, J.G., Thunder Lake, Wabigoon Lake, Zealand Tp.

Index Volume	Listing:	Report Volume	Part	Page
1	Thunder Lake			
	Iron formation	11	1	136,143
		20	1	194-196
2	Barclay, Zealand Tp.			
	Iron formation - In Report of the Iron Ore Committee, 1923			176
	Thunder Lake			
	Magnetite, Iron content: In Report of The Iron Ore Committee, 1923.			176
	Rocks	26	1	169
	Zealand Tp.			
	Rocks, Keewatin	26	1	169,172
	Rocks, Keweenawan	26	1	176
3	No Listings Found			
4	Barclay, Zealand Tp.			
	Gold near	50	2	46
	Beryl			
	Zealand Tp.	50	2	55
	Brownridge Tp.			
	Fault	50	2	33
	Glacial deposits	55	2	44
	Rocks	50	2	16,25, 28
	pegmatite	50	2	39
	pillow lava, notes and photo	50	2	9-11
	Soapstone	50	2	55
	Topography	50	2	5

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing	Report Volume	Part	Page
4	Dryden-Wabigoon Area			
	Geology Report on by J. Satterly	50	2	
	Ghost Lake			
	Rocks	50	2	10,37-39
	Hartman Tp.			
	Glacial deposits	50	2	44
	Rocks	50	2	29,30,38
	Kaiashkomin Lake			
	Rocks	50	2	25
	Laval Tp.			
	Fault	50	2	33
	Rocks	50	2	14,16,19,38
	Structure	50	2	27-29
	Topography	50	2	5
	Lola Lake			
	Peat deposits	50	2	45
	Mavis Lake			
	Garnets near	50	2	18
	Rocks near	50	2	9-12
	Rafter Lake			
	Fault	50	2	32,42
	Glaciation	50	2	44
	Rocks	50	2	14,15,28,29

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing:	Report Volume	Part	Page
4	Soapstone			
	Dryden-Wabigoon Area	50	2	53-55
	Thunder Lake			
	Rocks	50	2	22-26
	Structure	50	2	28-30
	Zealand sediments			
	Stratigraphy and Structure	50	2	26,30
5	No Listings Found			
6	No Listings Found			
7	Lun Echo Gold Mines Ltd.			
	Mining Property, Report on Mavis Lake	MRC 2		18
8	Beryl			
	N.W. Ontario (Zealand Tp.)	MP 47		43,44
	Dryden - Thunder Lake Occurrence			
	Zealand Tp.	MRC 11		195
	Lithium			
	Dryden Area	MP 63		32
	Lun-Echo Gold Mines Ltd.			
	Brownridge Tp.	MP 63		23
	Mavis Lake Prospect			
	Mining property, report on	MRC 12		156-157
	Pidgeon, G.L.			
	Thunder Lake area	MP 63		24

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing:	Report Volume	Part	Page
8	Pidgeon Prospect			
	Zealand Tp.	MRC 12		157
	Zealand Tp.			
	Copper/Nickel/Zinc	MRC 12		156-157
				195-196
	Iron	MRC 11		38-40,
				43
	Talc	IMR 40		
9	Beryl			
	Zealand Tp.	MP 70		61
	Brownridge Tp.			
	Plagioclase	MP 70		284
	Ghost Lake			
	Brownridge Tp.	MP 72		48
		MP 89		23
	Gullwing Creek			
	Wabigoon Lake area	NOTS 22		14
	Hartman Lake			
	Hartman Tp.	NOTS 22		11
	Lithium			
	Dryden area	MP 96		6-8
	Mavis Lake			
	Brownridge Tp.	MP 72		48
9	Mavis Lake Lithium Deposit			
	Report on property	MP 84		4
		MP 91		5

OGS/ODM GENERAL INDEX SEARCH

Words Searched:

Index Volume	Listing:	Report Volume	Part	Page
9	Mavis Lake Pegmatite			
	Dryden area	MP 96		7
	Tantalum			
	Brownridge Tp.	MP 91		5
	Thunder Lake			
	Zealand Tp.	NOTS 22		11
	Zealand Tp.			
	beryl	MP 70		61
	garnet	MP 70		168
	tourmaline	MP 70		408

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Beakhouse, G.P.	1989	The Wabigoon - Winnipeg River Subprovince Boundary Problem, in Summary of Field Work and Other Activities, 1988	OGS MP 141	p. 108-115
Berger, B.R.	1989	Geology of Laval and Hartman Townships, District of Kenora	OGS OFR 5703 with maps P.3108 and P.3109 (revised)	209p. 1" to 1/4 mile
Berger, Ben	1987	Laval and Hartman Townships Area, District of Kenora, in Summary of Field Work and Other Activities, 1987	OGS MP 137	p. 84-89
Berger, B.R., Stephenson, C., and Jeffrey, D.S.	1988	Precambrian Geology of Laval Township	OGS Map P.3108	1" to 1/4 mile
Berger, B.R., Stephenson, C., and Jeffrey, D.S.	1988	Precambrian Geology of Hartman Township	OGS Map P. 3109	1: to 1/4 mile
Blackburn, C.E., Beard, R.C., and Rivett, S.	1979	Kenora - Fort Frances Sheet, Geological Compilation Series	OGS Map 2443	1" to 1/4 mile
Breaks, F.W.	1983	Lithophile Mineralization in the Dryden Pegmatite Field, in Summary of Field Work and Other Activities, 1983	OGS MP 116	p. 15-20
Breaks, F.W.	1980	Lithophile Mineralization in Northwestern Ontario: Rare Element Granitoid Pegmatites, in Summary of Field Work and Other Activities, 1980	OGS MP 96	p. 5-9

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Breaks, F.W., and Kvehner, S.	1984	Precambrian Geology of the Eagle River-Ghost Lake Area	OGS Map P. 2623	1" to 1/2 mile
Breaks, F.W., Bond, W.D., Harris, N., Westerman, C.J. and Desnoyers, D.W.	1976	Operation Kenora - Ear Falls, Sandybeach - Route Lakes Sheet	ODM Preliminary Map P. 1204	1" to 1 mile
Geo-Analysis (1981) Ltd.	1981	The Identification of Structural Linears from Landsat Imagery in Northwestern Ontario. Energy, Mines and Resources Canada, Earth Physics Branch, Seismological Service of Canada	OF 82-12, Map 2, Image 3025	1:250,000
Gorzynski, George	1978	Petrology and Metamorphism of the Thunder Lake Sediments, B.Sc. Thesis, University of Toronto (unpublished)		
Gravity & Geodynamics Division	1981	Gravity Map of Canada, 1980, Lake of the Woods, Earth Physics Branch, Energy, Mines and Resources Canada	Map No. 48090	1:1,000,000
GSC	1984	Radioactivity Map, Dryden - Contour Maps: Ur(Tc), eU, eTh, %K, eU/eTh, eU/K, eTh/K	OF 1067, Map 35652G1-6	1:1,000,000
Hoffman, D.F., Canada Dept. of Agriculture	1972	Canada Land Inventory, Soil Capacity for Agriculture, Dryden 52F	RE 64/2222 - 52F	1:250,000
Hornbrook, E.H. and Friske, P.W.	1989	National Geochemical Reconnaissance Lake Sediment and Water Data, Northwestern Ontario (52F)	GSC Open File 1952	1:250,000

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Monenco Ontario Limited	1986	Peat and Peatland Evaluation of the Dryden - Lac Seul Area, NTS 52F/N and 52K, Kenora and Patricia Districts		
Morrice, M.G. and Wilson, H.D.B.	1980	Volcanic Stratigraphy of the Kenora - Dryden Area	GSC Open File 695	1:250,000
ODM & GSC	1965	1961 Aeromagnetic Survey Composite Map	ODM P. 279	1" to 16 miles
OGS	1987	Airborne Electromagnetic Survey Total Intensity Magnetic Survey, Dryden Area, District of Kenora; Geophysical/Geochemical Series	Maps 80958, 80959, 80963, 80964, 80965	1:20,000
OGS	1987	Surficial Geology of Northern Ontario	Map 2518	1:1,200,000
OGS	1961	Airborne Magnetic Survey, Dryden, Kenora District	Map 1155G	1" to 1 mile
OGS - GSC	1977	Uranium Reconnaissance Program Airborne Gamma-Ray Spectrometer Survey, Dryden - Contour Maps - TC, K, eU, eTh, eU/eTh, eU/K, eTh/K - Flight Line Profiles	P. 1460-1494 incl.	1:250,000
Rivett, A.S. and MacTavish A.D.	1980	Thunder Lake - Mavis Lake Area, District of Kenora	OGS Preliminary Map P. 2058	1" to 1/4 mile
Roed, M.A.	1980	Northern Ontario Engineering Geology Terrain Study 22, Wabigoon Lake Area	NOEGTS 22 with Map 5059	16p. 1:100,000
Satterly, J.	1941	Geology of the Dryden-Wabigoon Area	ODM vol. 50, pt. 2 with Map 50e	67 pages 1" to 1 mile

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Author	Date	Title	Reference	Map Scales and/or Report Pages
Springer, Janet	1978	Ontario Mineral Potential, Dryden Sheet, Districts of Kenora and Rainy River	OGS Preliminary Map P. 1530	1:250,000
Ucakuwun, Elias K.	1981	The Pegmatites and Granitoid Rocks of the Dryden Area, M.Sc. Thesis, University of Manitoba (unpublished)		
Zoltai, S.C.	1965	Kenora-Rainy River Surficial Geology	ODL&F Map S165	1" to 8 miles

NOTES

Note No.	
N-1	Filed in 52F/15 SE; W-2 as a Geological Consultant's Report
N-2	The EM data and all magnetic anomalies coincident with conductors were plotted together on a 1" - 1/4 mile plan map, therefore only EM conductors are shown on the Exploration Data Map
N-3	The type of work performed was listed as chipping and sampling. No assay data was included, only the claims worked on
N-4	Assays include samples taken from Selco's 1981 drillcore, and samples taken from a 1940 (approx.) drillhole (see Drillhole Summary, Drilling Location Number 55)
N-5	See Samine Exploration Inc., 52F/15 SE; R-10 for assay information
N-6	No locations are given for trenches
N-7	Survey Covers the whole area

ADDENDA

Mineral Deposits File

Note: A mineral deposit file is maintained at the Kenora Resident Geologist's Office, which contains the published data on the following mineral deposits:

1. Asarco
2. Brownridge-Zealand Townships Showings
3. Dryden - Thunder Lake Occurrence
4. Fairservice
5. Hartman
6. Lun-Echo
7. Lun-Echo (Mavis Lake Prospect)
8. Milestone
9. Peatland 52F - 60
10. Pidgeon Prospect, Zealand Township
11. Taylor, J.G.
12. Wabigoon Prospect
13. Zealand Township, Con. 3
14. Zealand Township, Con. 7 & 8, Lot 17

CONVERSION FACTORS

Conversion from SI to Imperial			Conversion from Imperial to SI		
SI Unit	*Multiplied by*	*Gives*	*Imperial Unit*	*Multiplied by*	*Gives*
		LENGTH			
1 mm	0.039 37	inches	1 inch	25.4	mm
1 cm	0.393 70	inches	1 inch	2.54	cm
1 m	3.280 84	feet	1 foot	0.304 8	m
1 m	0.049 709 7	chains	1 chain	20.116 8	m
1 km	0.621 371	miles (statute)	1 mile (statute)	1.609 344	km
		AREA			
1 cm^2	0.155 0	square inches	1 square inch	6.451 6	cm^2
1 m^2	10.763 9	square feet	1 square foot	0.092 903 04	m^2
1 km^2	0.386 10	square miles	1 square mile	2.589 988	km^2
1 ha	2.471 054	acres	1 acre	0.404 685 6	ha
		VOLUME			
1 cm^3	0.061 02	cubic inches	1 cubic inch	16.387 064	cm^3
1 m^3	35.314 7	cubic feet	1 cubic foot	0.028 316 85	m^3
1 m^3	1.308 0	cubic yards	1 cubic yard	0.764 555	m^3
		CAPACITY			
1 L	1.759 755	pints	1 pint	0.568 261	L
1 L	0.879 877	quarts	1 quart	1.136 522	L
1 L	0.219 969	gallons	1 gallon	4.546 090	L
		MASS			
1 g	0.035 273 96	ounces (avdp)	1 ounce (avdp)	28.349 523	g
1 g	0.032 150 75	ounces (troy)	1 ounce (troy)	31.103 476 8	g
1 kg	2.204 62	pounds (avdp)	1 pound (avdp)	0.453 592 37	kg
1 kg	0.001 102 3	tons (short)	1 ton (short)	907.184 74	kg
1 t	1.102 311	tons (short)	1 ton (short)	0.907 184 74	t
1 kg	0.000 984 21	tons (long)	1 ton (long)	1016.046 908 8	kg
1 t	0.984 206 5	tons (long)	1 ton (long)	1.016 046 908 8	t
		CONCENTRATION			
1 g/t	0.029 166 6	ounce (troy)/ ton (short)	1 ounce (troy)/ ton (short)	34.285 714 2	g/t
1 g/t	0.583 333 33	pennyweights/ ton (short)	1 pennyweight/ ton (short)	1.714 285 7	g/t

OTHER USEFUL CONVERSION FACTORS

1 ounce (troy) per ton (short)	20.0	pennyweights per ton (short)
1 pennyweight per ton (short)	0.05	ounces (troy) per ton (short)

One gram(g) per tonne is equivalent to one part per million (1 ppm)

Note: Conversion factors which are in bold type are exact. The conversion factors have been taken from or have been derived from factors given in the Metric Practice Guide for the Canadian Mining and Metallurgical Industries, published by the Mining Association of Canada in cooperation with the Coal Association of Canada.

For further information please contact:

RESIDENT GEOLOGIST
Kenora District
808 Robertson St.
Kenora, Ontario
P9N 3X9

MAP LEGENDS

A. FILES INDEX MAP

FILE AREAS **See pages 4-1,2 .... of text**

- ■ Reference number is always inside work area outlined See listing in text pages.
- □ Small area of exploration data
- ■ File covers whole township or area
- □

B. EXPLORATION DATA MAP

MINERAL OCCURRENCES: **See pages 3-1,2... of text**

- ■ Mineral occurrence at surface, with reference letter
- ■ Mineral occurrence with shaft, depth given with reference letter
- ■ Mineral occurrence reported but exact location uncertain, with reference letter
- □ Mineralized float with reference letter
- ■ Mineral occurrence encountered in drilling, with reference letter
- □

DRILLHOLES: **See pages 5-1,2... of text**

- ■ Location of single drillhole, with reference number
- ■ Location of group of closely spaced drillholes, with reference number
- ■ Drillhole, exact location uncertain, with reference number
- □ Property with underground drillholes in this general area, with reference number
- □ Property with drillholes which have not been plotted on map, with reference number
- □ Reverse circulation drillhole, churn drilling, with reference number
- □

GEOCHEMICAL: **See pages 7-1,2....of text**

- ■ Geochemical sample site, with reference number
- ■ Area of geochemical sampling, with reference number
- □

GEOPHYSICAL ANOMALIES

Airborne Surveys: **See pages 6-1,2... of text**

- ■ Airborne magnetic anomaly
- ■ Airborne electromagnetic anomaly Length of anomaly along flight line
- ■ Airborne electromagnetic anomaly Location of anomaly along flight line
- □ Airborne electromagnetic anomaly Conductor axis definite, probable, possible
- □ Airborne electromagnetic anomaly Conductor axis Location of flight lines uncertain
- □ Airborne radiometric anomaly

Ground Surveys

- ■ Ground magnetic anomaly
- ■ Ground electromagnetic anomaly (VL Vertical loop, HL Horizontal loop VLF Very low freq., Turam, JEM Crone Em 16)
- □ Ground radiometric anomaly
- ■ Induced polarization anomaly
- □ Self potential anomaly
- □ Audio-frequency magnetic anomaly (total intensity)
- □ Resistivity anomaly
- □ Gravity anomaly
- □

GEOCHRONOLOGICAL DATA: **See page 8 of text**

- □ Age dating material sampling site, with reference number
- □

MISCELLANEOUS DATA

- ■ Trenching, pit
- □ Adit
- □ Sand and or gravel pit
- □
- □ Rock quarry
- □ Open pit
- □

MAPS
NOT
FILMED

CARTES
OMISES